

## RESEARCH STATEMENT

### Original Creative Work

**Citation:** Patson, N 2010, *Line Art 3*, Wolfram Mathematica, <http://demonstrations.wolfram.com/LineArt3/>, creative work.

### Research Background

A two sets of points are generated along two separate generated spiral patterns. The points in each set are alternately connected to form a series of line segments. These segments form overlapping polygonal areas which are coloured according with selected colours. The resulting work is reminiscent of types of op art and line art popular in the 1960's.

### Research Contribution

- Innovation – This presentation is the first time line art has been created using this approach. The demonstration indicates the connection between art and mathematics.

### Research Significance

The demonstration has been through a rigorous review process<sup>†</sup>.

<sup>†</sup> <http://demonstrations.wolfram.com/FAQ.html>

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**Date:** December 2010

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